

APS/Users Monthly Operations Meeting

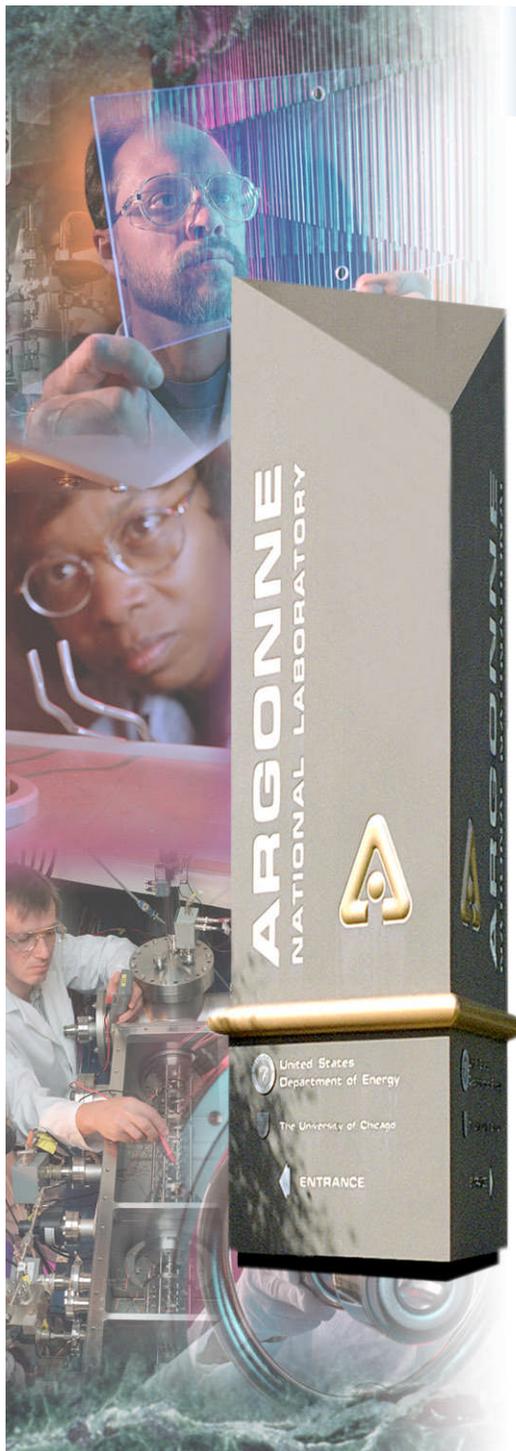
Dennis Mills

APS/Users Monthly Ops Meeting

December 14, 2005



*Argonne National Laboratory is managed by
The University of Chicago for the U.S. Department of Energy*



Agenda

- APS Update (Dennis Mills)
- Results of the 2005 User Survey (Dennis Mills)
- December/January Shutdown Activities (John Noonan)
- Detector Workshop Summary (Patricia Fernandez)
- “Insights into Permanent Magnets” (Daniel Haskel)

High Current Run

- We are planning a high(er) current run the final studies day April 24, 2006.

- We asked the beamline staff if they would be interested on opening their shutters to look at optics performance and quite a few said “yes”.
 - 2BM,2ID,5ID,6ID,7ID,12ID,13ID,15ID,22ID,23ID,24ID,30ID have all requested to take part.
 - Beamline participation is contingent on a formal safety review for higher current operations.

- Limits: ASD is limiting study to a maximum of 130 mA to limit risk to RF systems.

Next Steps Toward High Current Run

- APS Committee composed of ADDs/DDDs has been charged with revising Radiation Safety System Policies.

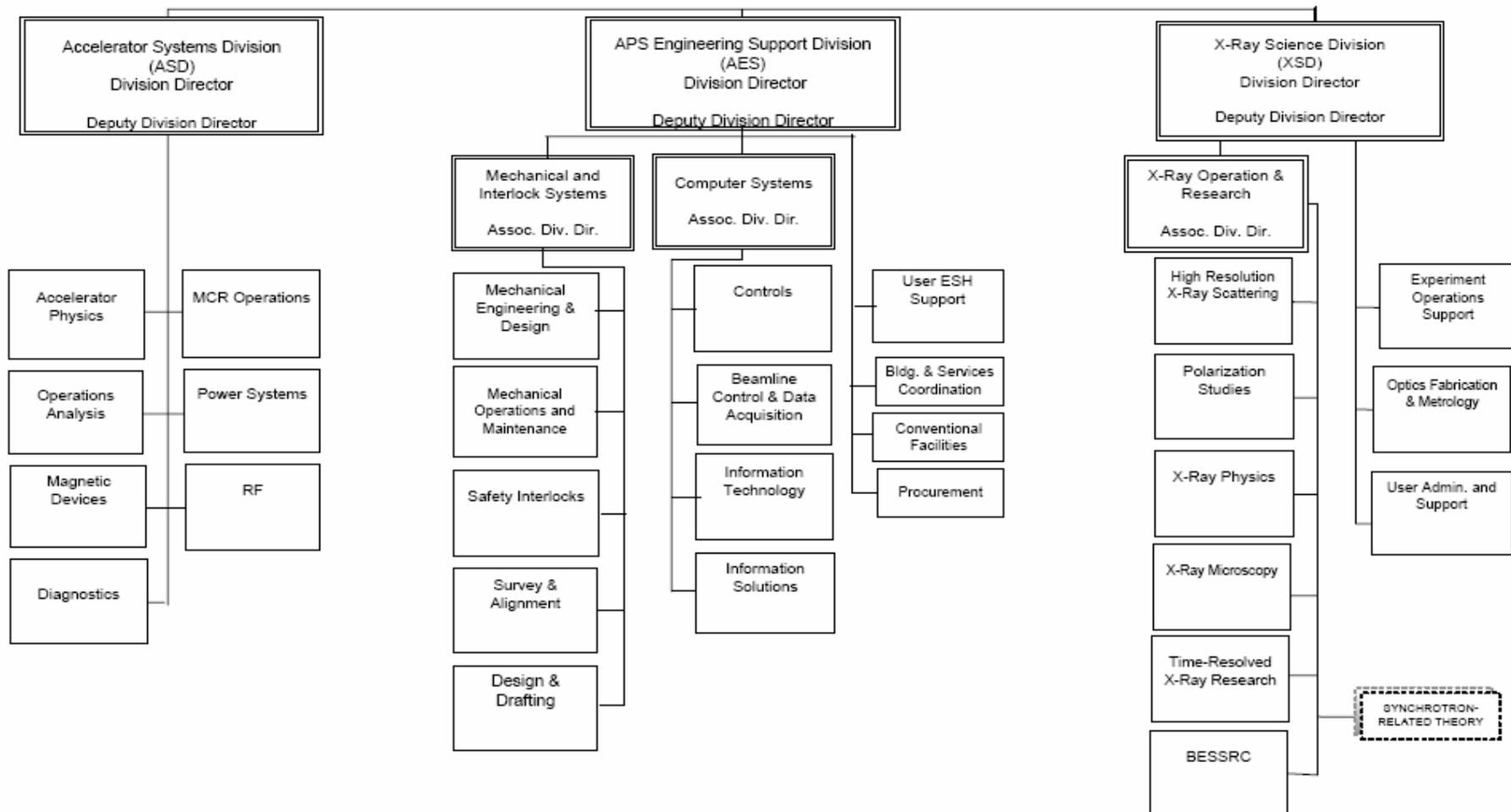
- ADD/DDD Committee will recommend to APS Management a formal process for reviewing these beamlines consistent with APS Policies. At a minimum, review will consist of
 - Review of thermal and stress analysis of high heat load radiation safety system components based on current design safety limits.
 - Review of radiation survey maps.

- After beamlines (either all or a subset of the participants) have been identified, then APS will work with beamlines to determine an experimental plan.

Any questions, contact John Quintana (jpq@aps.anl.gov)

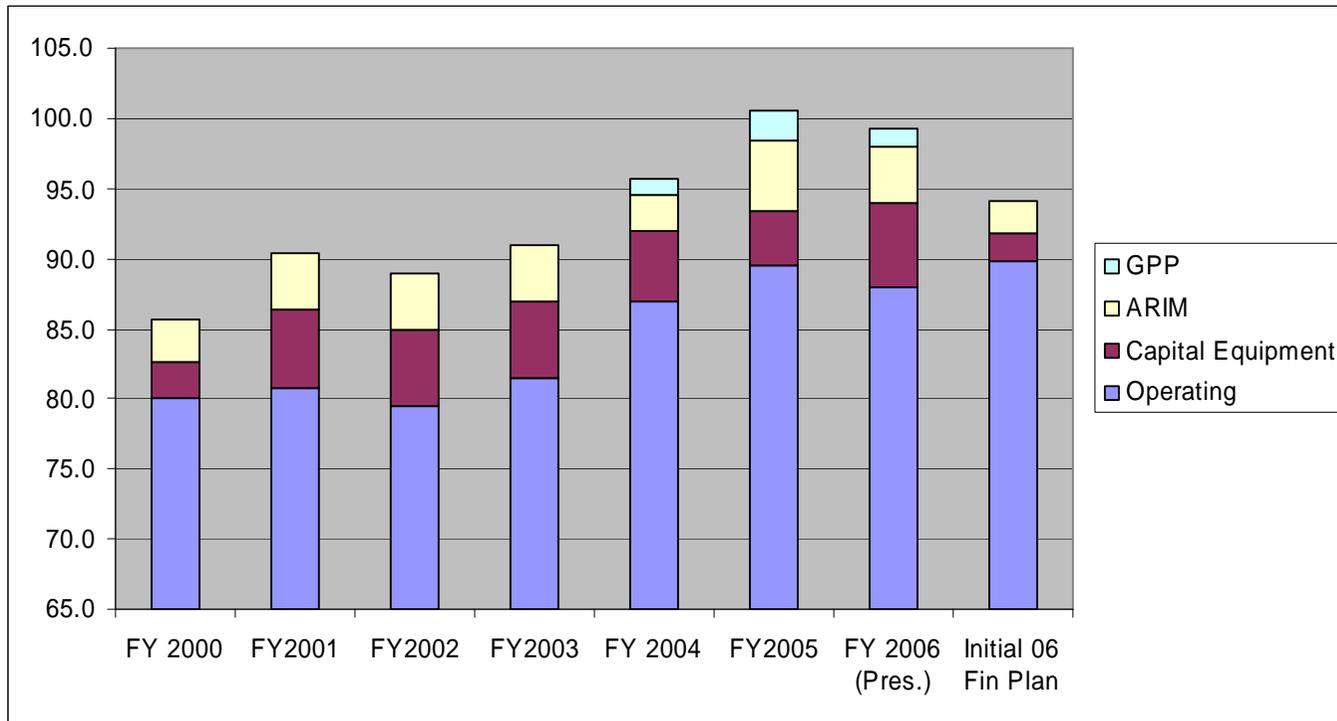
Plan for APS Reorganization

Effective 3/31 - DRAFT



APS BES Budget

\$89.8M Operating, \$2.2M ARIM and \$2.0M equipment so far.
 In addition almost \$5M effort from LCLS and CNM this year, but effort budget is now about 85% of total.....



Next Steps...

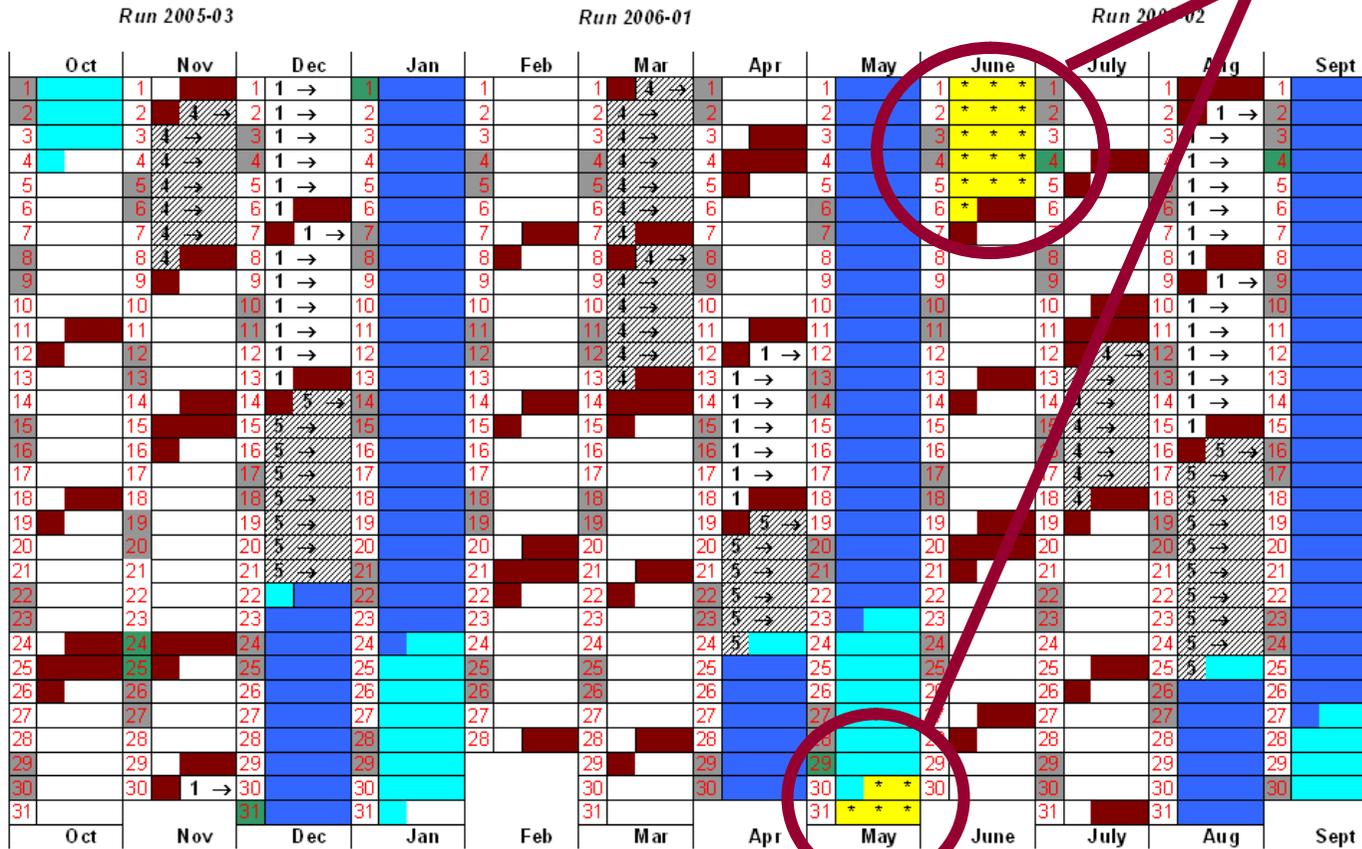
- Voluntary RIF package out to all APS divisions except XOR
 - Further action depends on FY2007 budget (unveiled in February 2006)

- We have posted a schedule with a week that has User Beamtime “to be determined” in the 2006-2 run cycle

Effect on Schedule

APS FY 2006 Long Range Operations Schedule
(October 2005 - September 2006)

Possible reduction in user running time.



- Top-up User Operation in low emittance mode
- Non top-up User Operation
- Fill pattern is 24 singlets unless otherwise shown.
- * Either Machine Studies or User Operations
- SOM Periods**
- 1 Hybrid Fill - (singlet)
- 4 324 Singlets - Low E. Fill
- 5 1296 Singlets - Low E Fill
- Machine Studies
- Maintenance
- Shifts set aside for Studies/ Machine Intervention as Needed
- Weekends
- Lab Holidays

12/9/2005

Next Steps...

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- Initially allocating ~\$1M equipment, and ~\$1M ARIM (project list under review by DDs)

- Any necessary involuntary RIFs will occur after president’s budget announcement in Feb ’06
 - Hoping for significant ’07 budget increase to prevent serious setbacks